Docket No.: 00 P 7571 US
App. No.: 09/546,264

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A telecommunications system, comprising:

an Ethernet-type local area network; and

one or more telecommunications devices coupled to said Ethernet-type local area network, said one or more telecommunications devices including:

an Internet Protocol voice communication stack;

a Quality of Service Ethernet layer; and

a Generate Quality of Service Ethernet layer interposed between said Internet Protocol voice communication stack and said Quality of Service Ethernet layer and adapted to intercept commands from said Internet Protocol voice communication stack, identify from said commands a quality of service required for individual calls, and generate corresponding Quality of Service commands to said Quality of Service Ethernet layer, said Generate Quality of Service Ethernet layer including a control unit, a memory coupled to said control unit and a buffer coupled to said control unit, wherein an input buffer of said buffer receives said commands from said Internet Protocol voice communication stack and buffers said commands during a command conversion, an output buffer of said buffer receiving said commands from said input buffer, said buffer forwarding Quality of Service commands to said Quality of Service Ethernet layer.

2. (Original) A telecommunications system in accordance with claim 1, said Internet Protocol voice communications stack comprising an H.323 compatible voice stack.

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3. (Original) A telecommunications system in accordance with claim 2, said commands comprising H.225 call setup commands.

4. (Original) A telecommunications system in accordance with claim 3, said Generate Quality of Service Ethernet layer adapted to translate a bearer capability portion of said H.225 call setup commands into a Quality of Service Ethernet command.

5. (Original) A telecommunications system in accordance with claim 3, said Generate Quality of Service Ethernet layer adapted to translate a called party identification portion of said H.225 call setup commands into a Quality of Service Ethernet command.

6. (Original) A telecommunications system in accordance with claim 3, said Generate Quality of Service Ethernet layer adapted to translate a conference goal portion of said H.225 call setup commands into a Quality of Service Ethernet command.

7. (Original) A telecommunications system in accordance with claim 2, said commands comprising H.245 terminal capabilities commands.

8. (Original) A telecommunications system in accordance with claim 7, said Generate Quality of Service Ethernet layer adapted to translate a negotiated terminal capability into a Quality of Service Ethernet command.

9. (Original) A telecommunications system in accordance with claim 1, said commands comprising RAS commands.

10. (Original) A telecommunications system in accordance with claim 9, said commands comprising Admission Request (ARQ) commands to a gatekeeper.

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11.   (Original) A telecommunications system in accordance with claim 9, said commands comprising Bandwidth Request (BRQ) commands to a gatekeeper.

12.   (Currently Amended) A telecommunications device adapted to be coupled to an Ethernet-type local area network, comprising:
    an Internet Protocol communication stack;
    a Quality of Service Ethernet layer; and
    a Generate Quality of Service Ethernet layer interposed between said Internet Protocol voice communication stack and said Quality of Service Ethernet layer and adapted to intercept call commands from said Internet Protocol voice communication stack, identify from said call commands a quality of service required for individual calls, and generate corresponding Quality of Service commands to said Quality of Service Ethernet layer, said Generate Quality of Service Ethernet layer including a control unit, a memory coupled to said control unit and a buffer coupled to said control unit, wherein an input buffer of said buffer receives said call commands from said Internet Protocol voice communication stack and buffers said call commands during a command conversion, an output buffer of said buffer receiving said call commands from said input buffer, said buffer forwarding Quality of Service commands to said Quality of Service Ethernet layer.

13.   (Original) A telecommunications device in accordance with claim 1, said Internet Protocol voice communications stack comprising an H.323 compatible voice stack.

14.   (Currently Amended) A telecommunications device in accordance with claim 13, said call commands comprising H.225 call setup commands.

15.   (Original) A telecommunications device in accordance with claim 14, said Generate Quality of Service Ethernet layer adapted to translate a bearer capability portion of said H.225 call setup commands into a Quality of Service Ethernet command.

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16.   (Original) A telecommunications device in accordance with claim 14, said Generate Quality of Service Ethernet layer adapted to translate a called party identification portion of said H.225 call setup commands into a Quality of Service Ethernet command.

17.   (Original) A telecommunications device in accordance with claim 14, said Generate Quality of Service Ethernet layer adapted to translate a conference goal portion of said H.225 call setup commands into a Quality of Service Ethernet command.

18.   (Currently Amended) A telecommunications device in accordance with claim 13, said call commands comprising H.245 terminal capabilities commands.

19.   (Original) A telecommunications device in accordance with claim 18, said Generate Quality of Service Ethernet layer adapted to translate a negotiated terminal capability into a Quality of Service Ethernet command.

20.   (Currently Amended) A telecommunications device in accordance with claim 12, said call commands comprising RAS commands.

21.   (Currently Amended) A telecommunications device in accordance with claim 20, said call commands comprising Admission Request (ARQ) commands to a gatekeeper.

22.   (Currently Amended) A telecommunications device in accordance with claim 20, said call commands comprising Bandwidth Request (BRQ) commands to a gatekeeper.

23.- 33. (Canceled)

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34.   (New) A telecommunications system in accordance with claim 1, wherein said memory of said Generate Quality of Service Ethernet layer includes at least one of a lookup table or database for storing conversions between said commands and said Quality of Service commands.

35.   (New) A telecommunications system in accordance with claim 34, wherein said control unit accesses said at least one of a lookup table or database for Quality of Service levels.

36.   (New) A telecommunications system in accordance with claim 1, wherein said output buffer transfers said commands to said Quality of Service Ethernet Layer.

37.   (New) A telecommunications device in accordance with claim 12, wherein said memory of said Generate Quality of Service Ethernet layer includes at least one of a lookup table or database for storing conversions between said commands and said Quality of Service commands.

38.   (New) A telecommunications device in accordance with claim 37, wherein said control unit accesses said at least one of a lookup table or database for Quality of Service levels.

39.   (New) A telecommunications device in accordance with claim 12, wherein said output buffer transfers said call commands to said Quality of Service Ethernet Layer.

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